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<b>Notice of Allowability</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/724,983		THEEL, WAYNE	
	<b>Examiner</b>		<b>Art Unit</b>	
	Pho M. Luu		2824	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 11/09/2005.
2. ☒ The allowed claim(s) is/are 2-7,9,11-15,17 and 18.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

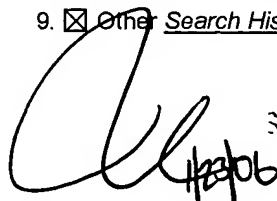
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date <u>11/09/05</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input checked="" type="checkbox"/> Other <u>Search History</u>.</li> </ol> |
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**RICHARD ELMS**  
 SUPERVISORY PATENT EXAMINER  
 TECHNOLOGY CENTER 2800

***Allowance***

1. Acknowledgment is made of applicant's Amendment, filed 09 November 2005.

The changes and remarks disclosed therein were considered.

2. Claims 1, 8, 10, 16 and 19 have been canceled.
3. Claims 2-7, 9, 11-15 and 17-18 are pending in the application.

***Drawings***

4. The corrected or substitute drawings were received on 09 November 2005.

These drawings are acceptable.

***Information Disclosure Statement***

5. Acknowledgment is made of applicant's Information Disclosure Statement (IDS) Form PTO-1449, filed 09 November 2005. The information disclosed therein was considered.

6. Claims 2-7, 9, 11-15 and 17-18 are allowance.

The following is an examiner's statement of reasons for allowance:

There is no teaching or suggestion in the prior art to provide:

**“a positive supply voltage coupled to the magneto-resistive random access memory circuit so as to allow current to flow through the magneto-resistive random access memory circuit when an activation signal is applied to the gate by the control circuit wherein the control circuit comprises a voltage regulator that**

**regulates a voltage level at the gate, so as to limit an amount of current flowing through the n-channel transistor and the magneto-resistive random access memory circuit ”** in a word current source for a magneto-resistive random access memory circuit as claimed in the independent claim 2. Claims 3-7 are also allowed; or

**“a positive supply voltage coupled to the magneto-resistive random access memory circuit so as to allow current to flow through the magneto-resistive random access memory circuit when an activation signal is applied to the gate by the control circuit wherein the control circuit comprises a stabilization amplifier comprising a logic control having a read/write input and an on/off input and a write reference gate control signal and a read reference gate control signal”** in a current source for a magneto-resistive random access memory circuit as claimed in the independent claim 9; or

**“a positive supply voltage coupled to the magneto-resistive random access memory circuit so as to allow current to flow through the magneto-resistive random access memory circuit when an activation signal is applied to the gate by the control circuit wherein the control circuit comprises means for regulating a voltage at the gate so as to limit the amount of current flowing through the cmos n-channel transistor and the magneto-resistive random access memory circuit”** in a word current source for a magneto-resistive random access memory circuit as claimed in the independent claim 11. Claims 12-15 are also allowed.

“a positive supply voltage coupled to the magneto-resistive random access memory circuit so as to allow current to flow through the magneto-resistive random access memory circuit when an activation signal is applied to the third terminal by the control circuit wherein the control circuit comprises means for regulating a voltage level at the third terminal so as to limit the amount of current flowing through n-channel semiconductor device and magneto-resistive random access memory <sup>circuit</sup> ~~unit~~” in a word current source for a magneto-resistive random access memory circuit as claimed in the independent claim 17. Claim 18 is also allowed.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### **Conclusion**

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Pho M. Luu whose telephone number is 571.272.1876. The examiners can normally be reached on M-F 8:00AM – 5:00PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Richard Elms, can be reached on 571.272.1869. The official fax number for

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the organization where this application or proceeding is assigned is 703.872.9306 for all official communications.

The information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PML *GN* *VTN*  
17 January 2006